

Sustainability Highlights FY 2021

The Bonneville Power Administration's Sustainability Office drives resource efficient policies and practices that deliver long-term, quantifiable value for BPA and its stakeholders.

It fosters employee engagement and intra-agency coordination while ensuring compliance with federal mandates.

The office supports the strategic goals laid out in the BPA 2018–2023 Strategic Plan by conserving resources, increasing operational efficiencies and lengthening the lifespan of assets — ultimately leading to strengthened financial health and competitiveness.

For up-to-date information on the agency's sustainability efforts, metrics, articles and more, visit www.bpa.gov/environmental-initiatives/sustainability.



2021 ACCOMPLISHMENTS

National Federal Green Challenge Adaptation Award

Presented by U.S. Environmental Protection Agency

The award celebrates BPA's rapid, safe and sustainable shift to maximum telework due to the COVID-19 pandemic. By adjusting its business practices, BPA created efficiencies and cost savings, such as adopting virtual options for administrative tasks that reduced paper consumption by nearly 50%. BPA also found success with adapting its headquarters facilities management by changing HVAC filters, HVAC controls and lighting to offset increased natural gas use. Overall, the agency saved over \$785,000.

Doing our Share for Clean Air Gold Award

Presented by Spokane Regional Clean Air Agency

BPA received top recognition for exceptional changes at its Spokane airport hangar and other facilities that improve air quality and reduce emissions. The award credits installations such as LED lights that increase bulb life by 76,000 hours and 24-foot span ceiling fans that boosts air circulation to reduce heating and cooling needs. Other sustainable decisions included building a videoconferencing room with 44% recycled materials content and a new janitorial contract requiring the use of bio-based products.

Stand up of Sustainability Leadership Committee

BPA's new committee aims to increase agencywide collaboration on sustainability projects and further reduce the agency's environmental impacts while remaining consistent with BPA's overall goals and priorities. The Sustainability Leadership Committee will also help manage BPA's response to Executive Order 14057, which commits federal agencies to carbon neutrality by 2050. Members are leaders of teams from across the agency that most influence BPA's sustainability performance.

Sustainability metrics in review A REFLECTION OF ATYPICAL EVENTS

Fiscal year 2021 sustainability metrics reflect another unprecedented year for BPA, with both the COVID-19 pandemic and extreme weather significantly impacting sustainability performance. Through it all, however, the Sustainability Office actively tracked metrics, promoted policies and introduced practices to better track and reduce the agency's environmental impacts.

ENERGY AND WATER CONSUMPTION



Operational changes due to the pandemic majorly impacted BPA's energy and water consumption.



ELECTRICITY



NATURAL GAS



WATER

Energy and water consumption approached pre-pandemic levels as more members of the workforce gradually reentered BPA facilities.

The rise of natural gas use results from BPA's continued focus on workforce safety due to maximizing the use of outside air, which increases heating and cooling needs. Water consumption also rose due to leaks and increased irrigation during a hot summer.

UTILITIES MANAGEMENT PROGRAM

SAVED BPA A CUMULATIVE

FY 17-21

 6,355,668 kBtu of energy

 12,887,036 gal of water

BPA's award-winning Utilities Management Program is integral to sustainability efforts. In response to the pandemic, the team kept a close eye on building performance and collaborated with Transmission field crews to identify causes of major changes in utility consumption. The program offset unavoidable increases through efforts such as replacing HVAC filters, managing HVAC controls and adjusting lighting levels.

ADDITIONAL METRICS

Category	Unit	FY 2020	FY 2021	% Change
WASTE				
Waste Recovery*	Percent	92%	98%	+6%
OFFICE SUPPLY PURCHASES				
Paper	Pounds	58,196	36,697	-37%
EPEAT-Registered Electronics**	Units	3,493	225	-94%
Non-EPEAT Registered Electronics	Units	0	50	+100%
POLLINATORS				
Habitat Planted or Enhanced	Acres	21,913	21,584	-2%
FUGITIVE EMISSIONS				
Sulfur Hexafluoride (SF6)***	Pounds	2,530	2,743	+8%

* Recovery rate: The percentage of waste that is diverted away from the landfill by recycling, reusing or composting.

** EPEAT is an environmental monitoring and labeling initiative of the Global Electronics Council covering products and services from the technology sector.

*** Reported on a calendar-year basis.